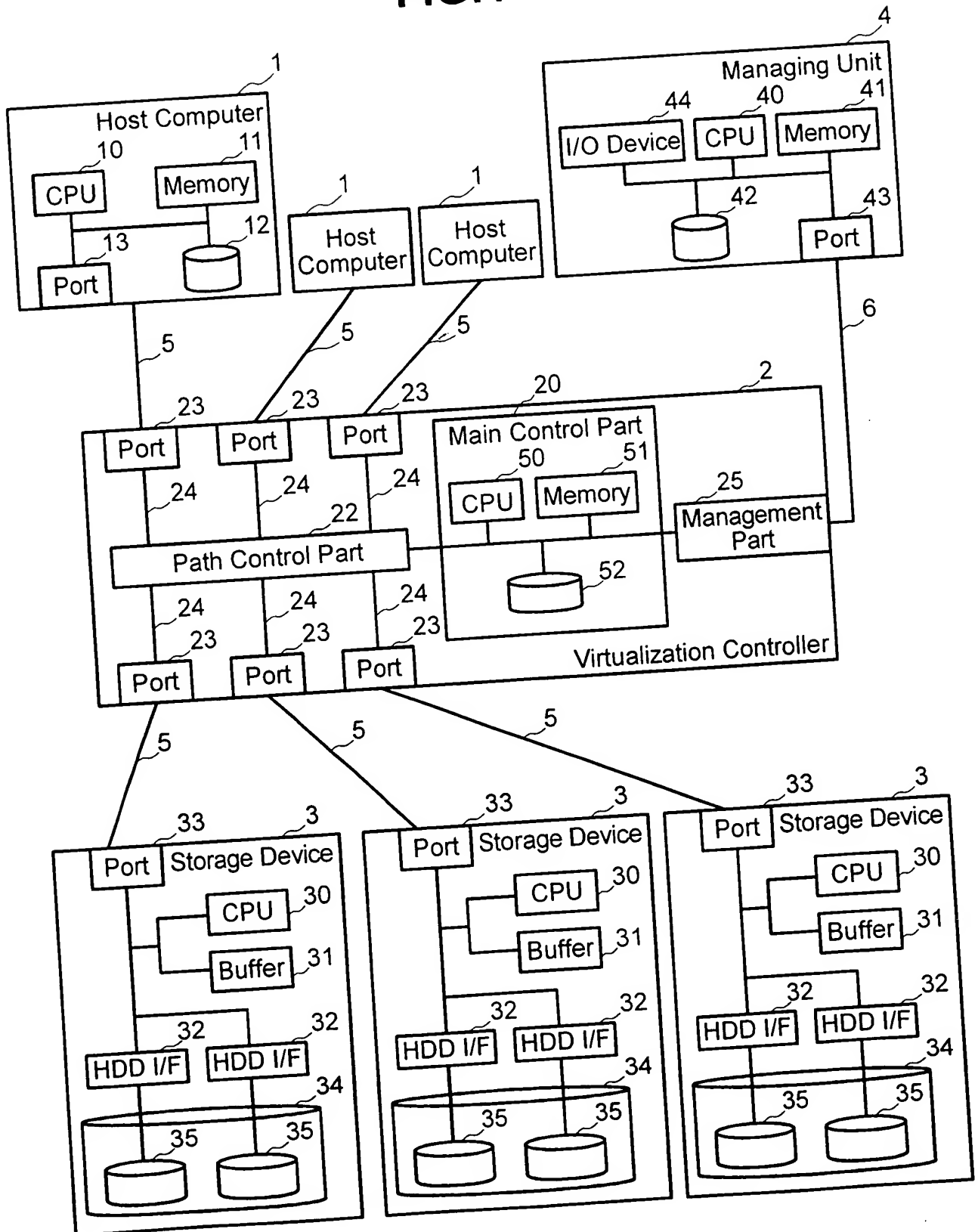
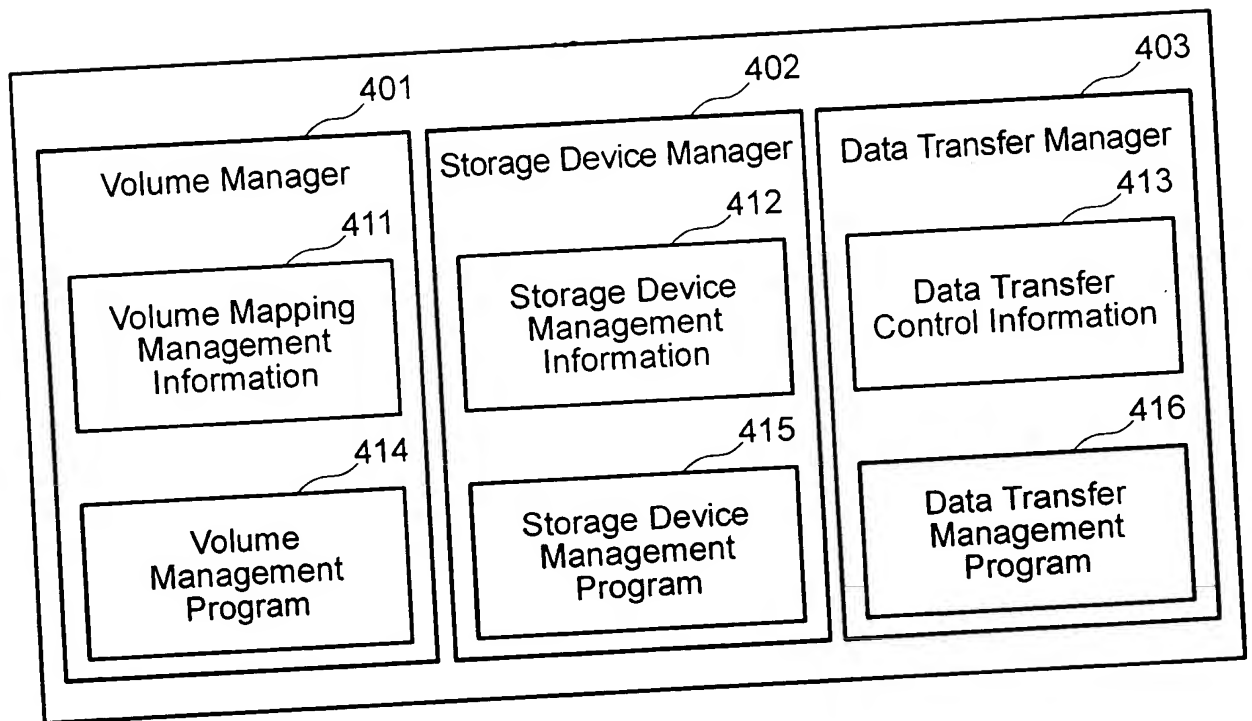


FIG.1



**FIG.2**





**FIG.5**

512

Port ID	Port Name	Node Name	LUN	Size
P_Pid_1	P_Pname_1	P_Nname_1	0	10 GB
			1	5 GB
P_Pid_2	P_Pname_2	P_Nname_2	0	5 GB
P_Pid_3	P_Pname_3	P_Nname_3	1	10 GB
-	-	-	-	-

**FIG.6**

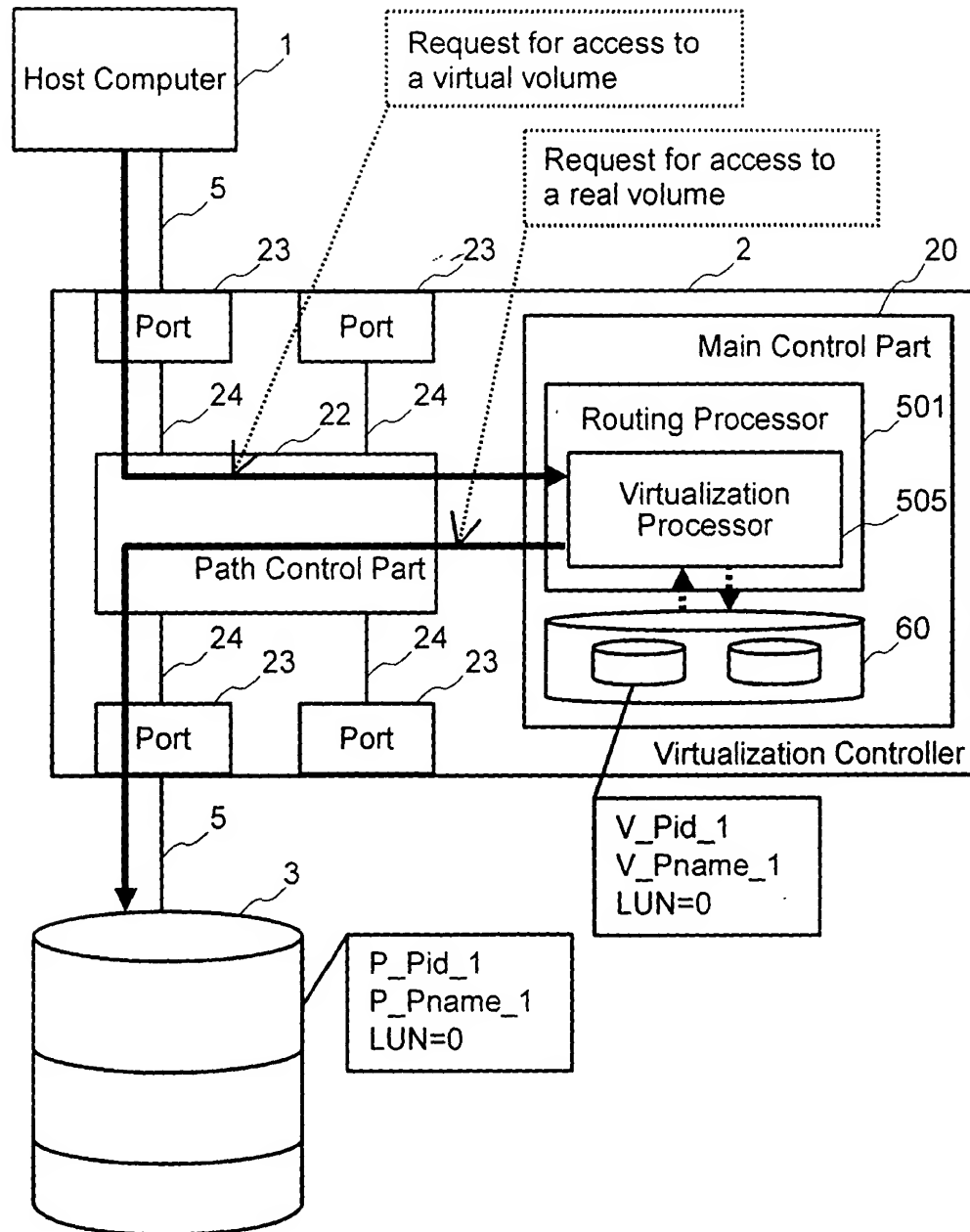
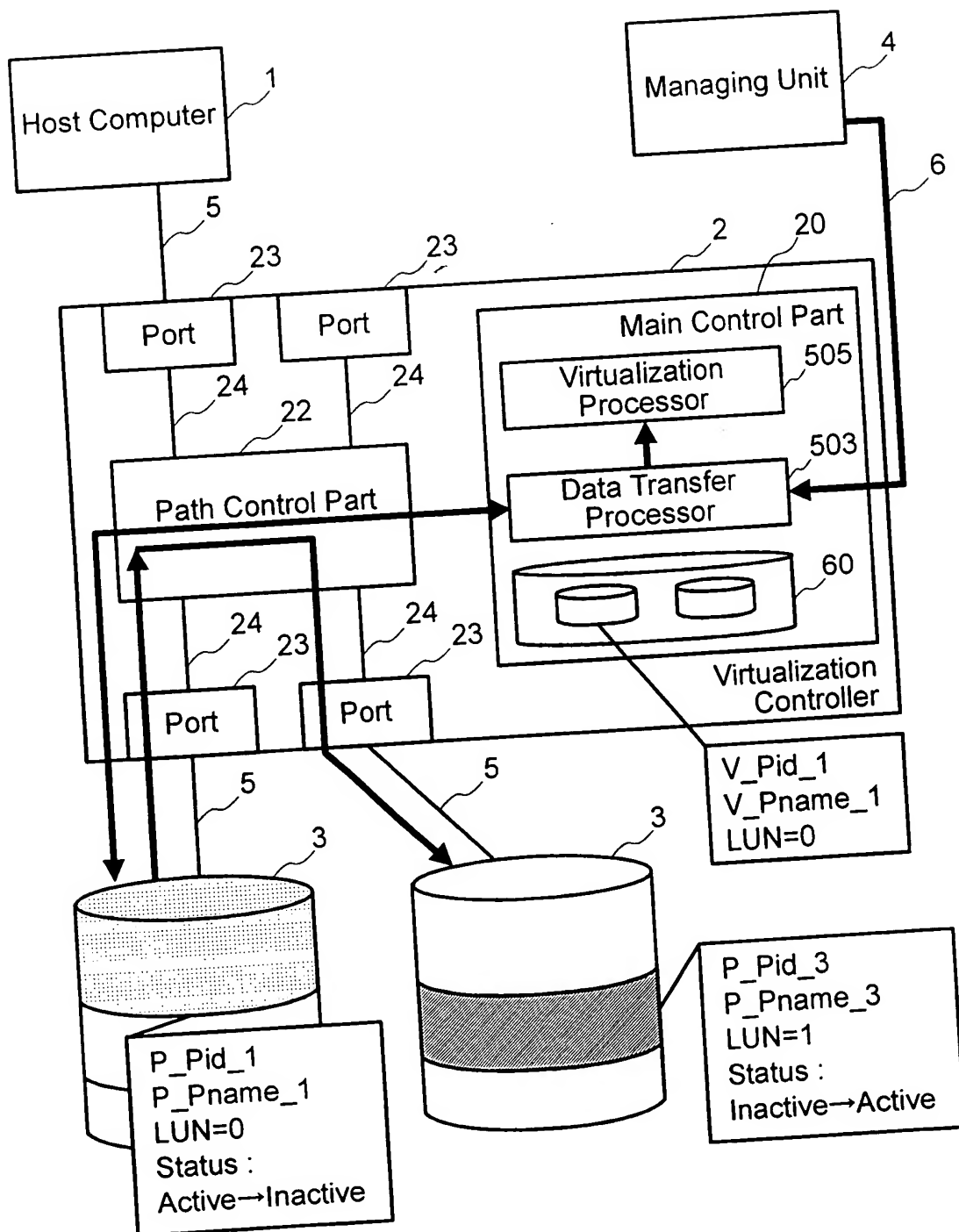
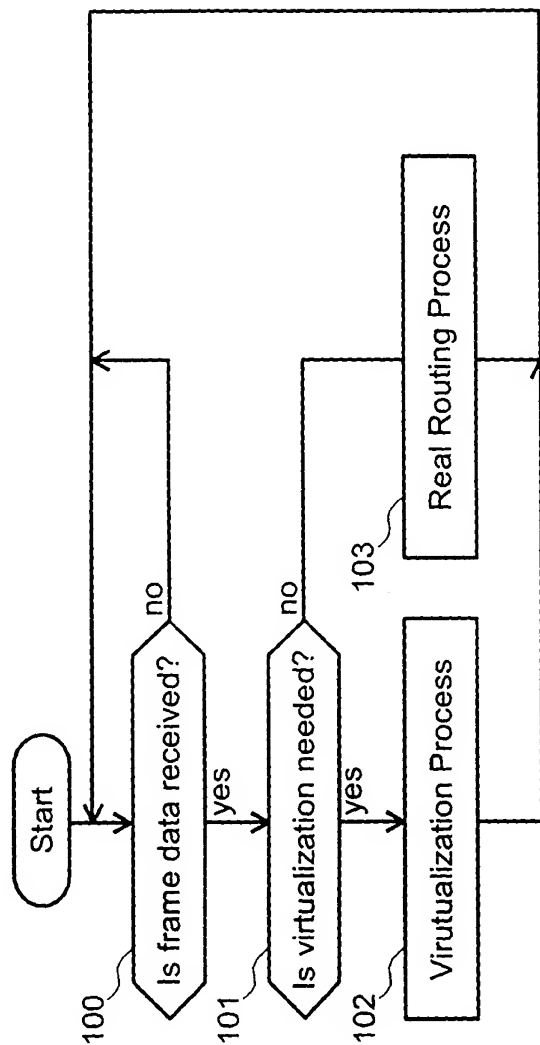


FIG.7



Virtual Volume Management Information						Real Volume Management Information					
Port ID	Port Name	LUN	Size	Status		Port ID	Port Name	LUN	Size	Status	Command
V_Pid_1	V_Phame_1	0	10 GB	Inactive		P_Pid_1	P_Phame_1	0	10 GB	Active	C_id_0 C_id_1 C_id_2
		0	10 GB	Active		P_Pid_3	P_Phame_3	1	10 GB	Active	C_id_3 C_id_4
-	-	-	-	-		-	-	-	-	-	-



**FIG. 9**

**FIG.10**

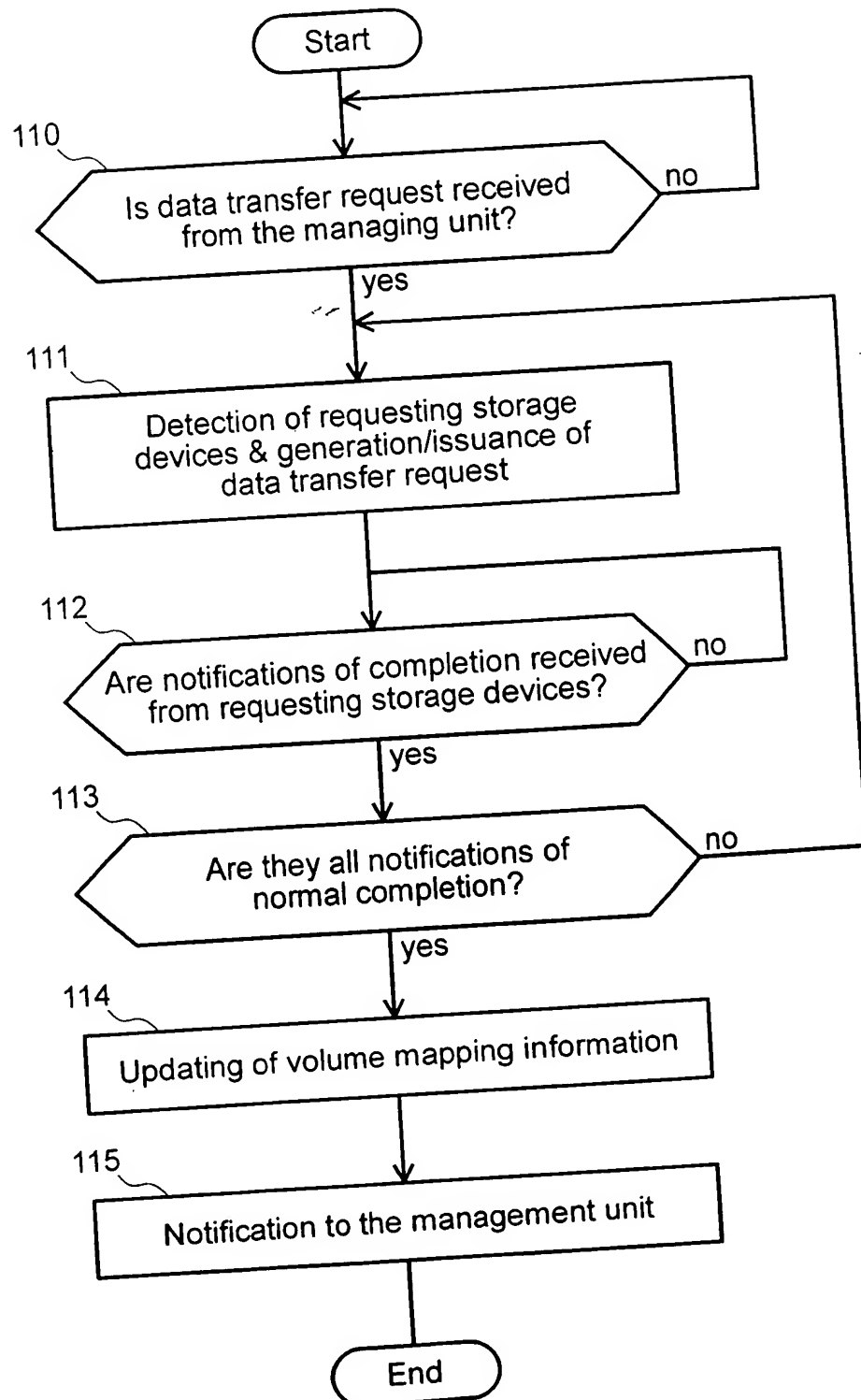
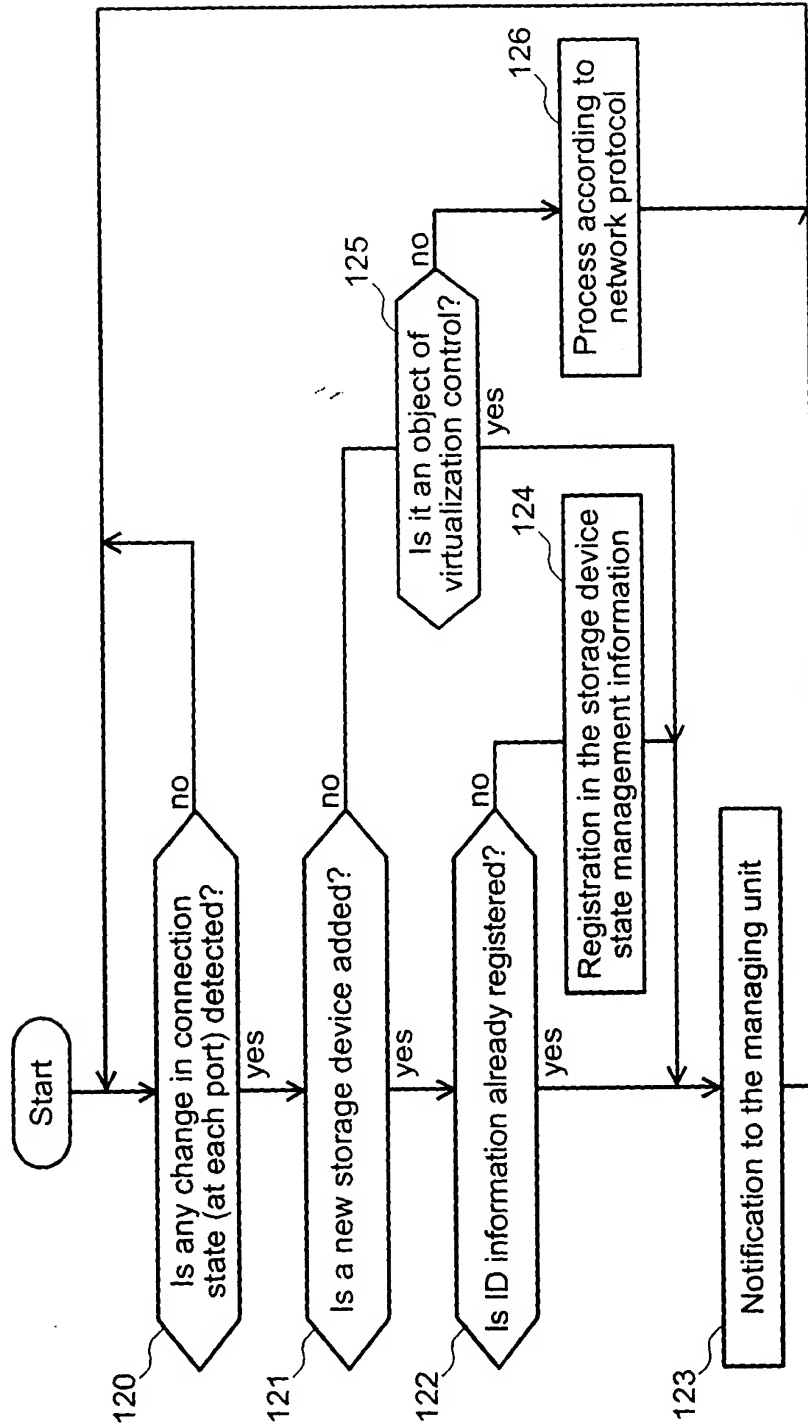




FIG.11



**FIG.12**

[illegible]

**FIG.13**

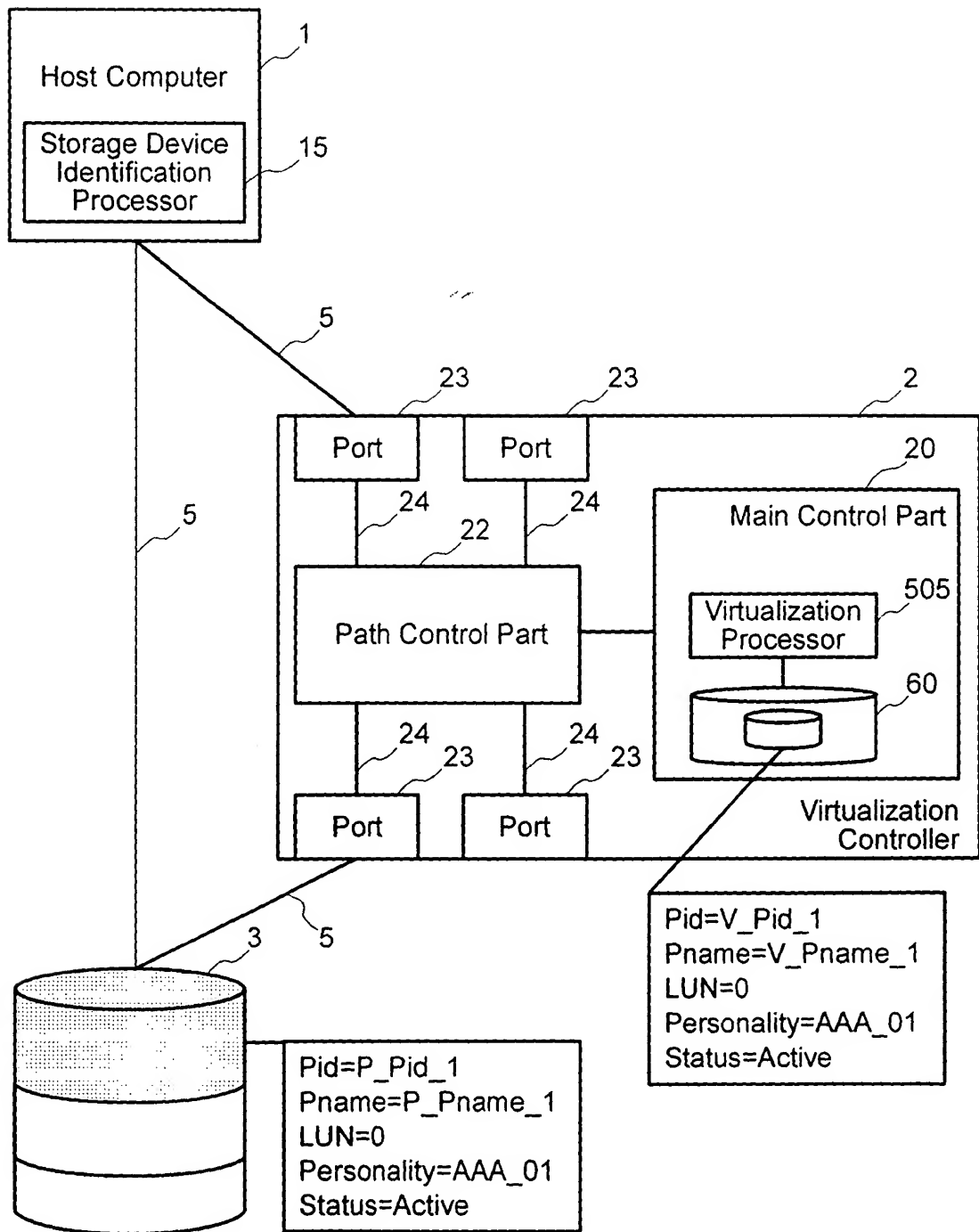
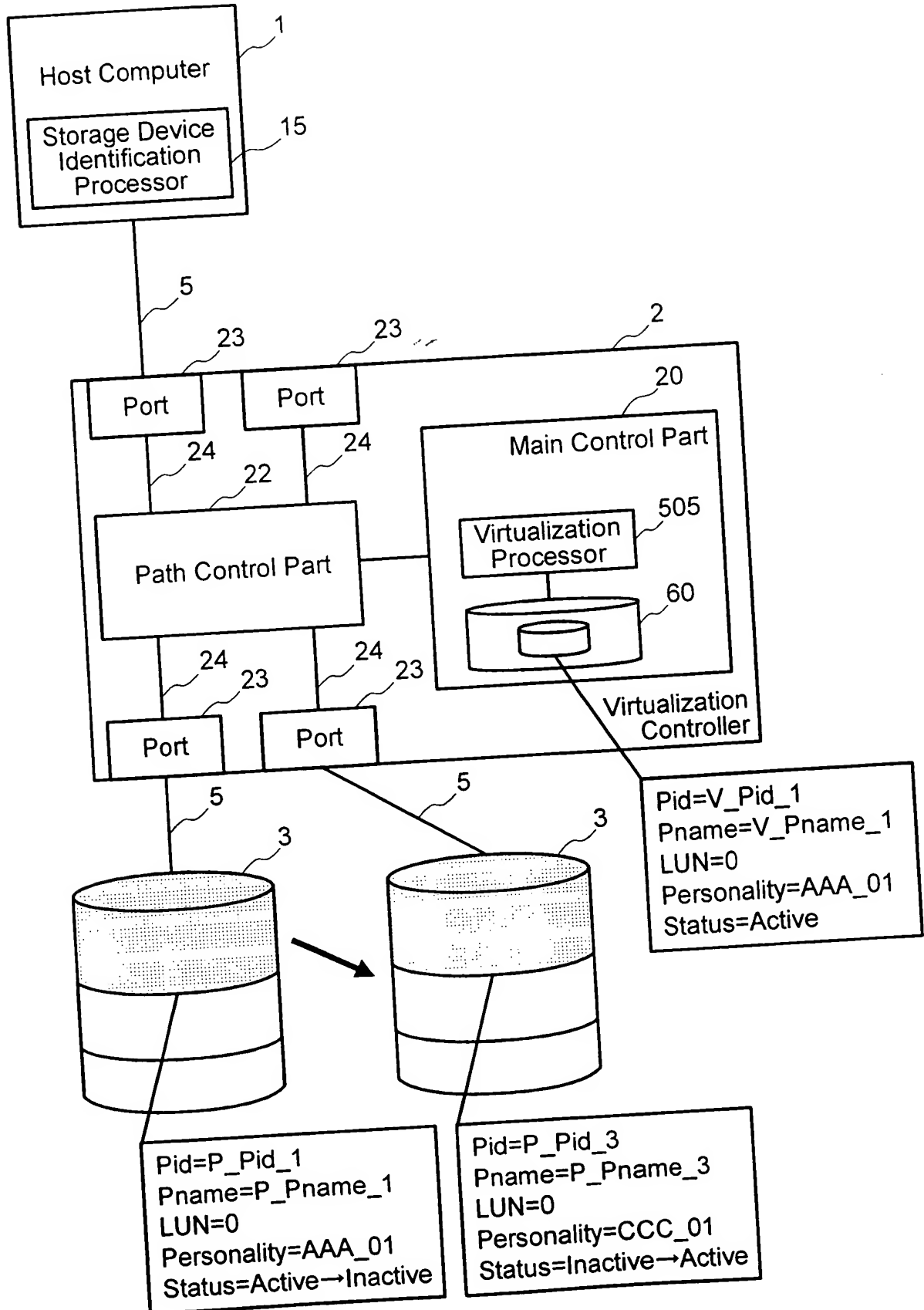


FIG.14



# FIG.15

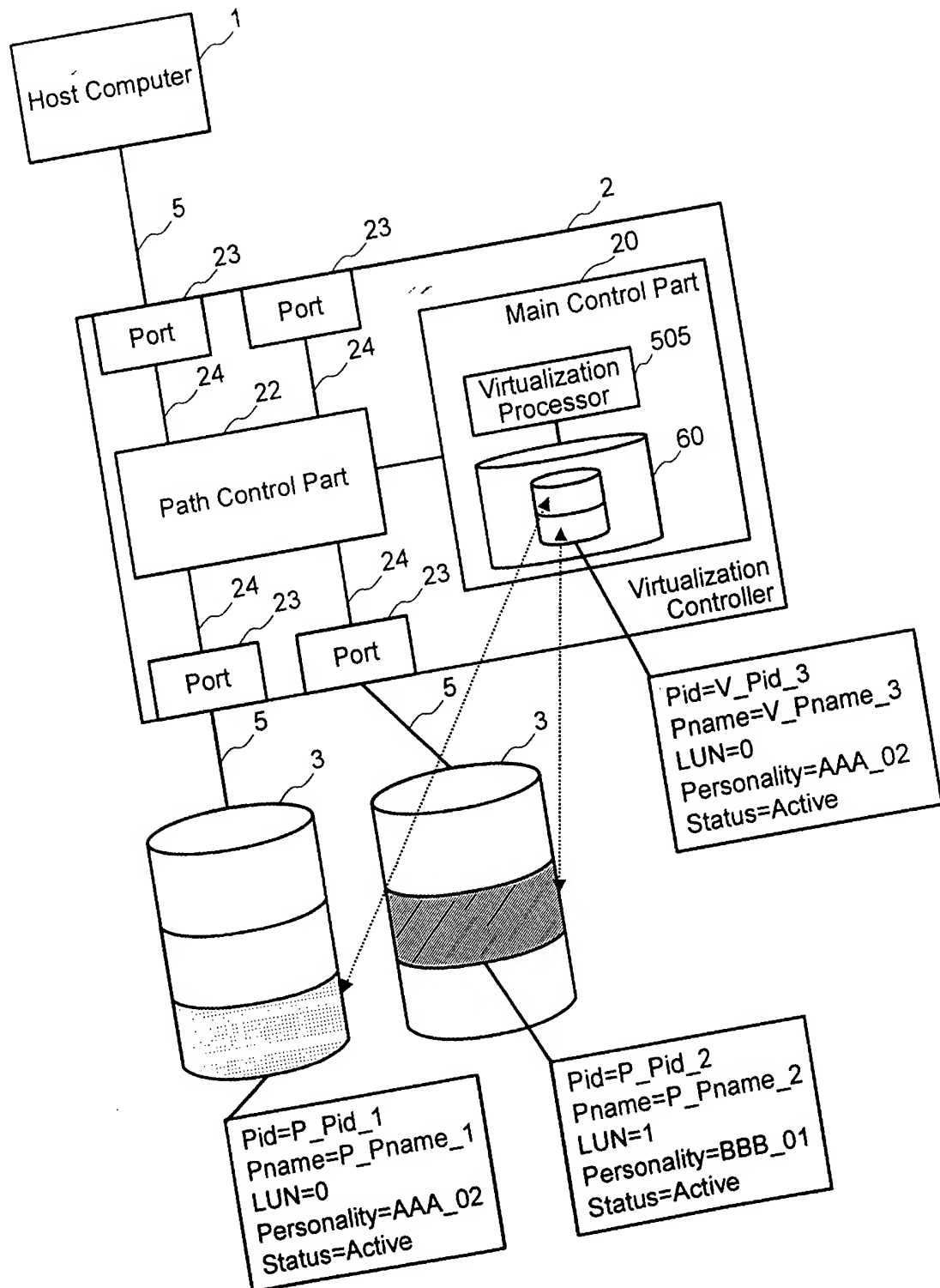
515

520

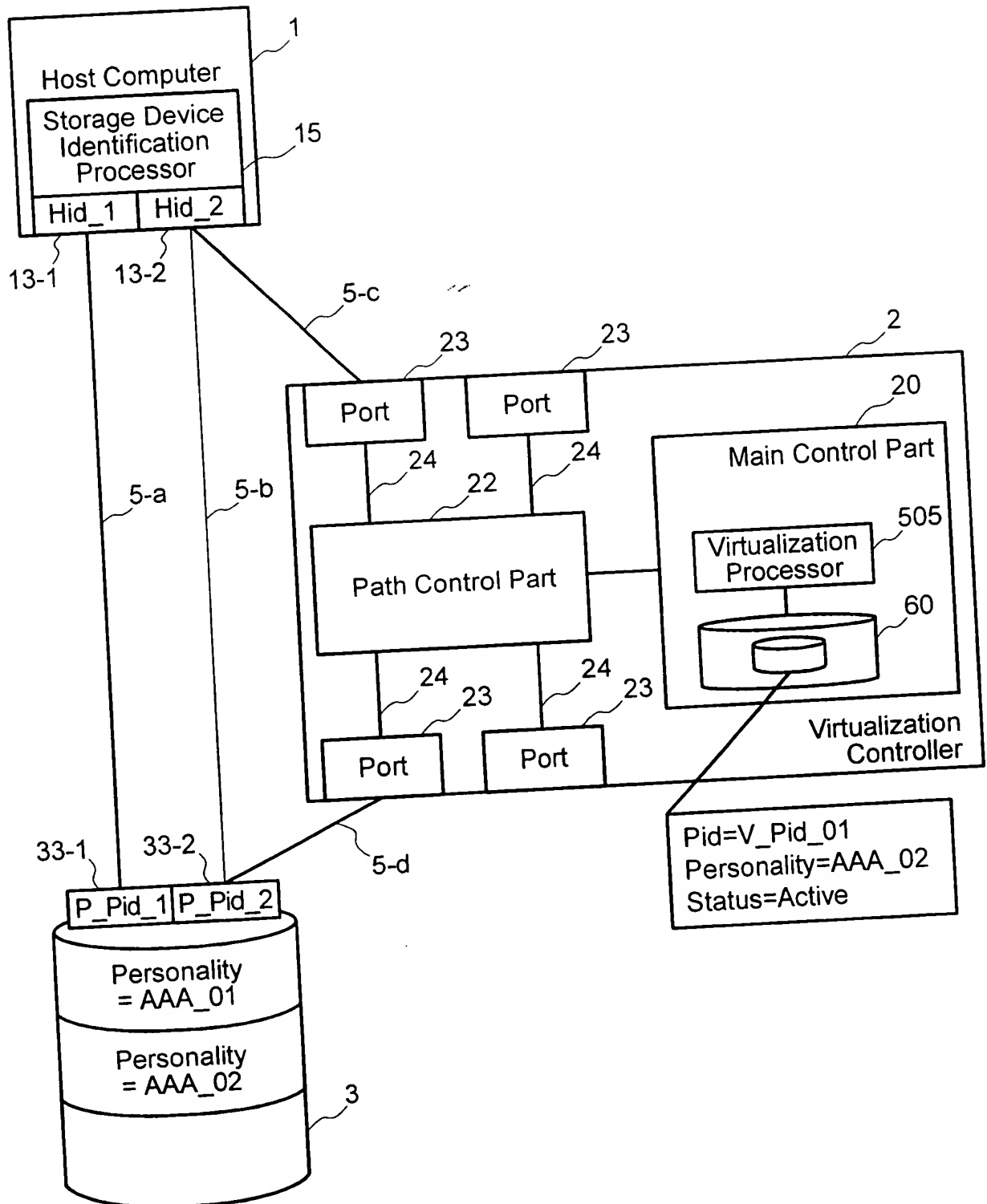
521

Virtual Volume Management Information						Real Volume Management Information							
Port ID	Port Name	LUN	Personal	Size	Status	Address	Port ID	Port Name	LUN	Personal	Size	Status	Command
V_Pid_3	V_Pname_3	0	AAA_02	10 GB	Active	0h ~ 98967Fh	P_Pid_1	P_Pname_1	3	AAA_02	5 GB	Active	C_id_6
						989680h ~ 1312CFFh	P_Pid_2	P_Pname_2	1	BBB_01	5 GB	Active	C_id_7
-	-	-	-	-	-	-	-	-	-	-	-	-	-

FIG.16



**FIG.17**



**FIG.18**

Volume	Personality	Connection (P)	Connection (S)	Status
0	AAA_01	Hid_1 - P_Pid_1	Hid_2 - P_Pid_2	Active
1	AAA_02	Hid_2 - P_Pid_2	Hid_1 - P_Pid_1	Active



**FIG.19**

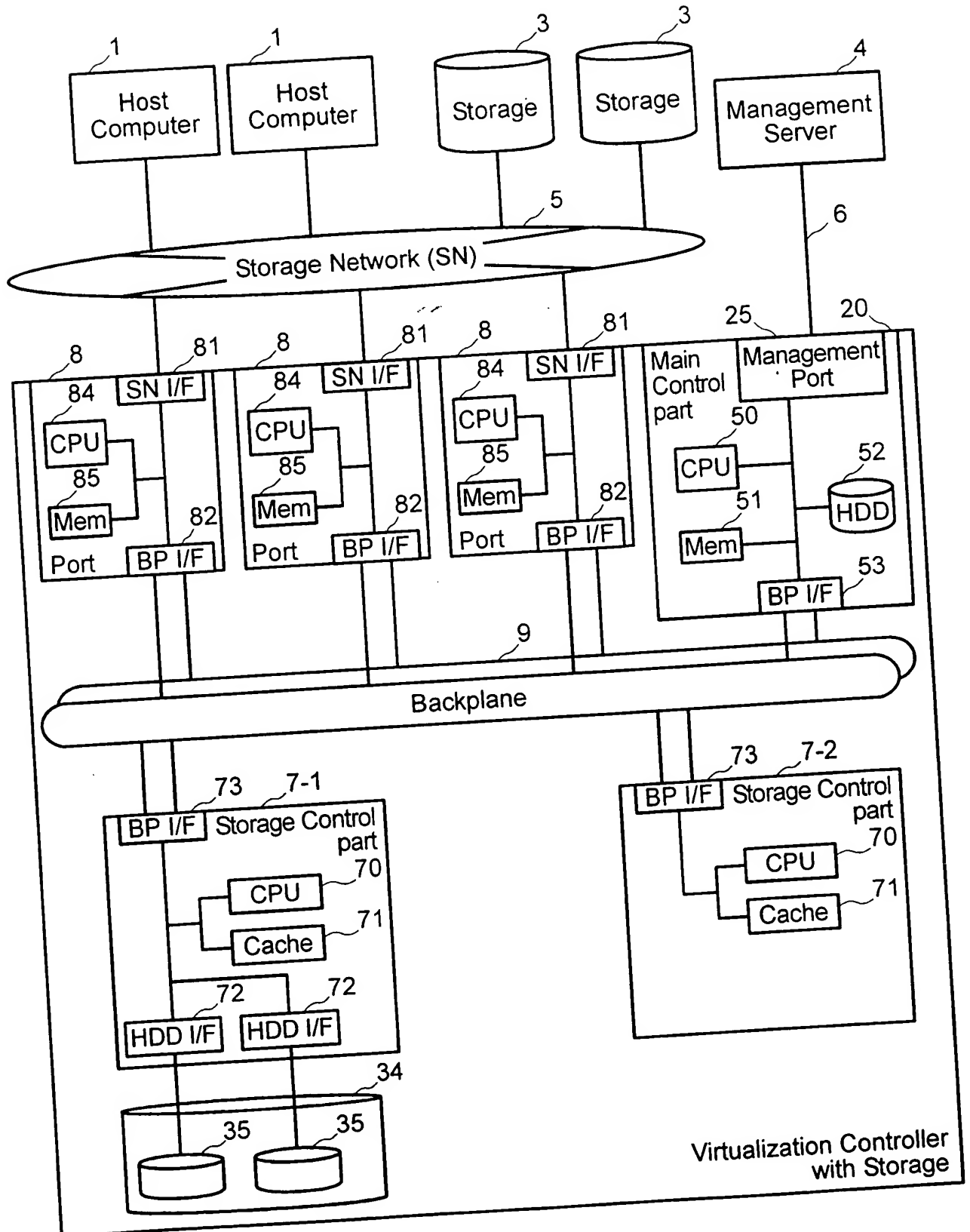
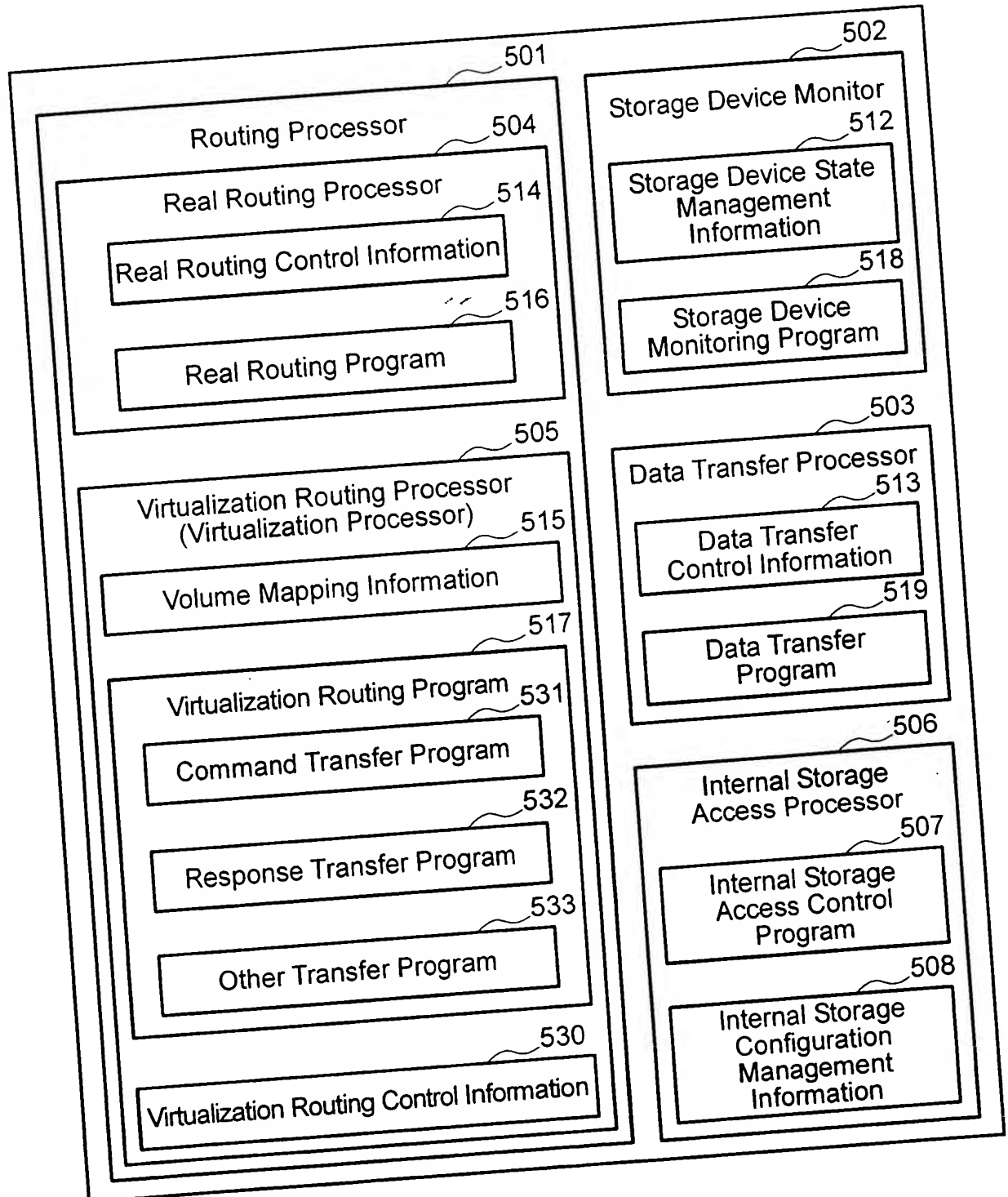


FIG.20



**FIG.21**

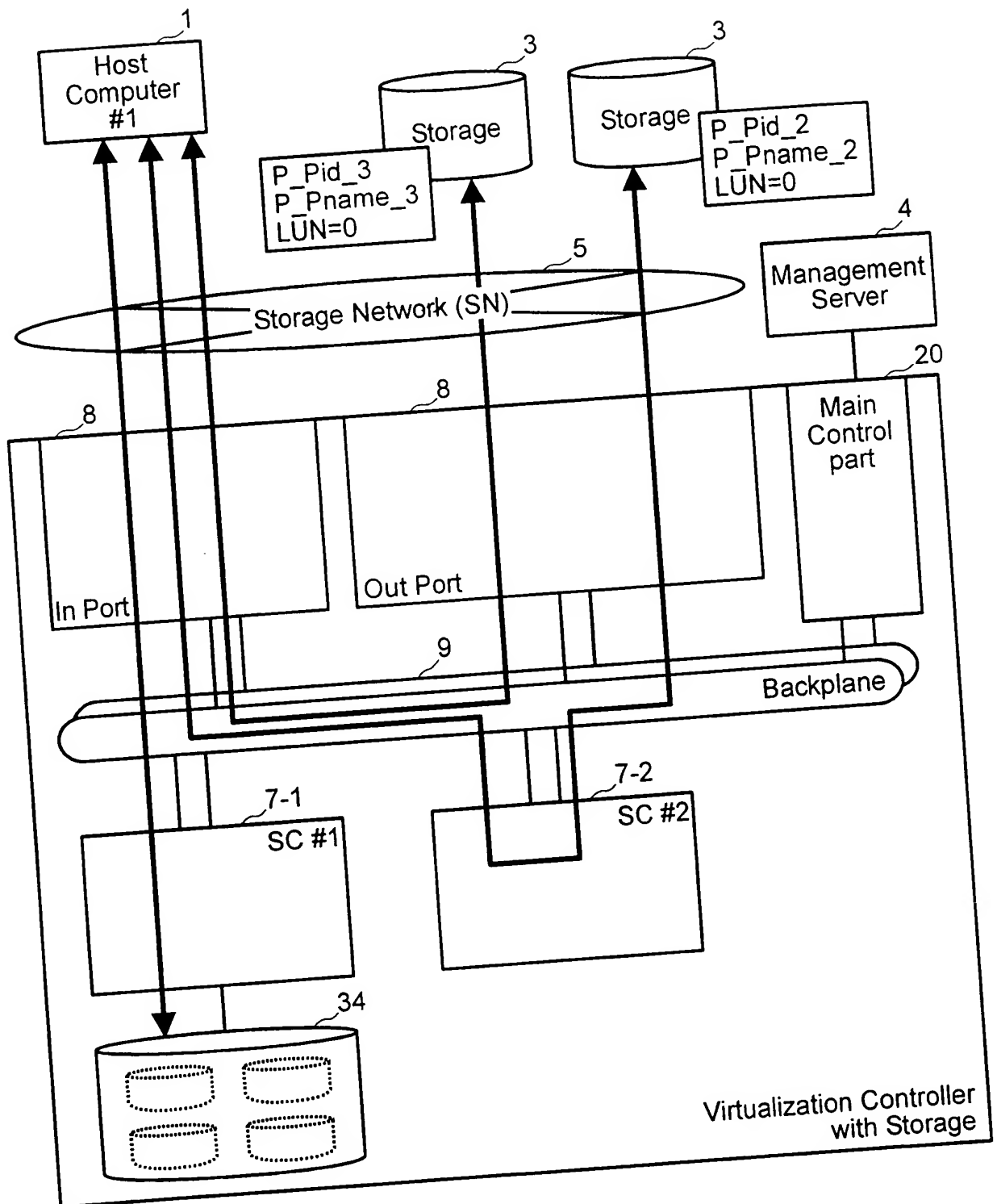


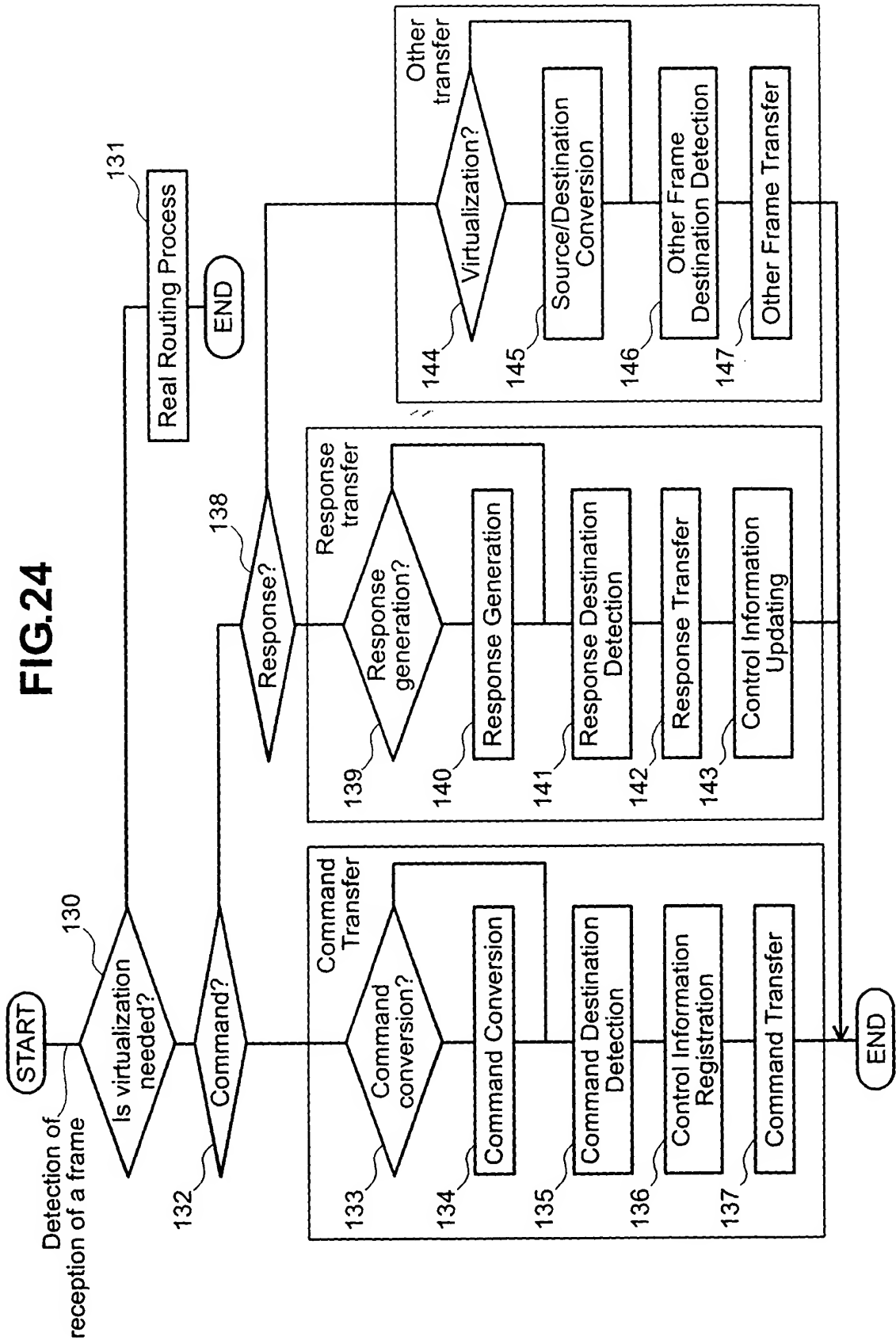
FIG.22

Virtual Volume Management Information				Real Volume Management Information		Virtualization Module Management Information	External Volume Connection Module Management Information
Port ID	Port Name	LUN		Port ID	Port Name		
V_Pid_1	V_Pname_1	0	-	-	-	Storage Control part #1	-
V_Pid_2	V_Pname_2	0	P_Pid_2	P_Pname_2	0	Storage Control part #2	Out Port
V_Pid_3	V_Pname_3	0	P_Pid_3	P_Pname_3	0	Out Port	Out Port
.	.	.	.	.	.	.	.

FIG.23

Source Management Information			Destination Management Information	
Source Identification	Source Command Identification		Destination Identification	Command Identification
Host_Pid_1	Host_Tag_1		SC #1	InPort_Tag_1
Host_Pid_1	Host_Tag_2		SC #2	InPort_Tag_2
Host_Pid_1	Host_Tag_3		Out Port	InPort_Tag_3
.	.	.	.	.

FIG.24



**FIG.25**

Virtual Volume Management Information			Real Volume Management Information		Virtualization Module Management Information
Port ID	Port Name	LUN	Port ID	Port Name	
V_Pid_1	V_Pname_1	0	-	-	SC #1
V_Pid_2	V_Pname_2	0	P_Pid_2	P_Pname_2	SC #2
V_Pid_3	V_Pname_3	0	P_Pid_3	P_Pname_3	Out Port
.	.	.	.	.	.

**FIG.26**

Virtual Volume Management Information			Real Volume Management Information		Virtualization Module Management Information	External Volume Connection Module Management Information
Port ID	Port Name	LUN	Port ID	Port Name	LUN	
V_Pid_2	V_Pname_2	0	P_Pid_2	P_Pname_2	0	Out Port
.	.	.	.	.	.	.

**FIG.27**

Virtual Volume Management Information			Real Volume Management Information		Virtualization Module Management Information
Port ID	Port Name	LUN	Port ID	Port Name	LUN
V_Pid_2	V_Pname_2	0	P_Pid_2	P_Pname_2	0
V_Pid_3	V_Pname_3	0	P_Pid_3	P_Pname_3	0
.	.	.	.	.	.

**FIG.28**

Virtual Volume Management Information			Real Volume Management Information		Virtualization Module Management Information
Port ID	Port Name	LUN	Port ID	Port Name	
V_Pid_1	V_Pname_1	0	-	-	SC #1
V_Pid_2	V_Pname_2	0	P_Pid_2	P_Pname_2	Out Port
V_Pid_3	V_Pname_3	0	P_Pid_3	P_Pname_3	Out Port
.	.	.	.	.	.

**FIG.29**

Virtual Volume Management Information			Real Volume Management Information		Virtualization Module Management Information	External Volume Connection Module Management Information
Port ID	Port Name	LUN	Port ID	Port Name	LUN	
.	.	.	.	.	.	.

**FIG.30**

Virtual Volume Management Information			Real Volume Management Information		Virtualization Module Management Information
Port ID	Port Name	LUN	Port ID	Port Name	LUN
V_Pid_2	V_Pname_2	0	P_Pid_3	P_Pname_3	1
V_Pid_3	V_Pname_3	0	P_Pid_3	P_Pname_3	0
.	.	.	.	.	.